

1387 to 1390
~~1889~~
1892w

ORIGINAL LOG BOOK OF THE "FISH HAWK"

UNITED STATES FISH COMMISSION

STATION NUMBERS

Numbers 1387 to 1390

RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No.

Date,

Time of day,

Locality,

Exact position,

Depth,

Nature of bottom,

Dredging instrument used,

Direction of drift,

Temperature of air,

therm. No.,

" of surface water,

" at depth of fathoms,

" at bottom,

Density at surface,

temp.,

" at depth of fathoms,

" at bottom,

Number of salinometer,

Barometer reading,

State of sky,

Direction of wind,

; force, moderate

Rain,

Direction of surface current,

: force,

" of bottom

: force,

Name of vessel,

Service to which attached,

Name and rank of commanding officer,

Name and position of observer,

Assistant U.S.F.C.

NOTES RELATING TO STATION NO.

Dredge fouled and lost,
According to instructions no
bottom density and temperature
were taken, sounding apparatus
not being in position.

RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No. *1387*
 Date, *14 Jan*
 Time of day, *11 AM* of tide, *ebb*
 Locality, *off Cape Fear*
 Exact position, *33-45-10*
70 05 58
 Depth, *6.5 fathoms*
 Nature of bottom, *Coral*
 Dredging instrument used, *dredge*
 Direction of drift, *South* ; distance,
 Temperature of air, *54°* therm. No., *5454*
 " of surface water, *52* " *5385*
 " at depth of fathoms, " "
 " at bottom, " "
 Density at surface, *1.024.5* temp., *52*
 " at depth of fathoms, " "
 " at bottom, " "
 Number of salinometer, *5249*
 Barometer reading, *30.25*
 State of sky, *Clear*
 Direction of wind, *North* ; force, *light*
 Rain,
 Direction of surface current, *SW* ; force,
 " of bottom " : force,
 Name of vessel, *"Fish Hawk"*
 Service to which attached, *U.S.F.C.*
 Name and rank of commanding officer,
Robert Platt Lieut U.S.N.
 Name and position of observer, *C. B. Adams MD*
Assistant U.S.F.C.

NOTES RELATING TO STATION NO.

Specimens of Coral Sponge
Sea urchins, small oyster shells
with sponge attached, a few
live oysters, drills, star fish
variety *Ophiopholis aculeata*.

RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No. 1387

Date, 14 Jan

Time of day, 2.45 PM; of tide, Early flood

Locality, Off Cape Fear

Exact position, 33 48 10

73 04 44

Depth, 8 fathoms

Nature of bottom, Coral

Dredging instrument used, dredge

Direction of drift, SW; distance,

Temperature of air, 54

therm. No., 5454

" of surface water, 52

" 5385

" at depth of fathoms,

" at bottom,

Density at surface, 23.5

temp., 52

" at depth of fathoms,

" at bottom,

Number of salinometer, 5249

Barometer reading, 30.24

State of sky, Clear

Direction of wind, N; force, light

Rain,

Direction of surface current, NW; force,

" of bottom " : force,

Name of vessel, "Fish Hawk"

Service to which attached, U.S.F.C

Name and rank of commanding officer,

Robert Platt Lieut U.S.N

Name and position of observer, C. B. D. Adams WMD

and U.S.F.C. Commission

NOTES RELATING TO STATION NO.

Three star file, sand and
gravel.

RECORD OF DREDGING,

TEMPERATURE AND DENSITY.

Station No. 11387

Date, 14 Jan 89

Time of day, 3:00 PM; of tide, Flood

Locality, off Cape Fear

Exact position, 33° 42' 10"

Depth, 7 fathoms

Nature of bottom, Rock

Dredging instrument used, dredge

Direction of drift, S.W. ; distance,

Temperature of air, 53

therm. No. 5454

" of surface water, 52

" 5385

" at depth of fathoms,

" at bottom,

Density at surface, 1.024

temp., 52

" at depth of fathoms,

" at bottom,

Number of salinometer, 5249

Barometer reading, 30.24

State of sky, Clear

Direction of wind, N ; force, light

Rain,

Direction of surface current, W ; force,

" of bottom " ; force,

Name of vessel, Fish Hawk

Service to which attached, U.S.F.C.

Name and rank of commanding officer,

Robert R. R. Lieut U.S.N.

Name and position of observer, W.D. Adams, Lt.

Asst U.S.F.C.

NOTES RELATING TO STATION NO.

Sponge Coral Sea Machine

Schuylkill Bay

RECORD OF DREDGING.

TEMPERATURE AND DENSITY.

Station No. 1388(?)
 Date, Feb 19 1892
 Time of day, 7.50 AM; of tide, Flood
 Locality, off North Island, 11th mile
 Exact position, Thru. Pt. L. M. SW $\frac{3}{4}$ W. $2\frac{1}{4}$ miles
 Blunt Pt. L. M. S $\frac{1}{4}$ W. $5\frac{1}{4}$ miles
 Depth, 17 fathoms
 Nature of bottom, mud
 Dredging instrument used, Dredge 7/8
 Direction of drift, N.W.; distance, $\frac{1}{4}$ mile
 Temperature of air, 38° therm. No.,
 " of surface water, 35°
 " at depth of fathoms,
 " at bottom,
 Density at surface, temp.,
 " at depth of fathoms,
 " at bottom,
 Number of salinometer,
 Barometer reading, 30.32
 State of sky, Cloudy
 Direction of wind, Calm; force, 0
 Rain, Hazy
 Direction of surface current, : force,
 " of bottom " : force,
 Name of vessel, Fish Hawk
 Service to which attached, U S F C
 Name and rank of commanding officer, R Platts
 Lt USN
 Name and position of observer, A H Cleveland
 State of navy

NOTES RELATING TO STATION NO. 1388

Obtained a few live Perch
and a quantity of dead Spot
fish and decomposed Mud
also about a peck of coal
Ashes & kindred

Chesapeake Bay

RECORD OF DREDGING.

TEMPERATURE AND DENSITY.

Station No. *1389*
 Date, *Feb 19 1892*
 Time of day, *9:15 AM* of tide. *Flood*
 Locality, *Off Kent Island*
 Exact position, *From Point of View N. 5 1/2 miles.*
Blind Pt. S. 1/2 N. E. x N 3/4 N 1 1/2 miles.
 Depth, *15 fathoms*
 Nature of bottom, *Mud*
 Dredging instrument used, *7 ft Beam Trawl*
 Direction of drift, *1/2 mile*; distance, *1/2 mile*
 Temperature of air, *37* therm. No.,
 " of surface water, *35*
 " at depth of fathoms.
 " at bottom,
 Density at surface, temp.,
 " at depth of fathoms,
 " at bottom,
 Number of salinometer,
 Barometer reading, *30.30*
 State of sky, *Cloudy*
 Direction of wind, *SE*; force, *2*
 Rain, *Hazy*
 Direction of surface current, : force,
 " of bottom " : force,
 Name of vessel, *Fish Hawk*
 Service to which attached, *U S F C*
 Name and rank of commanding officer, *R Platt*
Lieut. A. J. ...
 Name and position of observer, *Chas. C. ...*
Master A. J. ...

NOTES RELATING TO STATION NO. 1389

obtained a few Live Perch
and a quantity of dead
Spot fish & decomposed
mud

Chesapeake Bay

RECORD OF DREDGING. I

TEMPERATURE AND DENSITY.

Station No. 1390
 Date, Feb 19th 1892
 Time of day, 12.50 PM of tide, Ebb
 Locality, Off Cape Point
 Exact position, Com Pt L No W 1/4 S
 ~ 2 1/2 miles approx
 Depth, 16 fathoms
 Nature of bottom, Mud
 Dredging instrument used, 7 ft B Trawl
 Direction of drift, W, NW; distance, 3/4 mile
 Temperature of air, 40 therm. No.,
 " of surface water, 38 "
 " at depth of fathoms, "
 " at bottom, 38 "
 Density at surface, 10.06, temp., 38
 " at depth of fathoms, "
 " at bottom, 10.13, .. 38
 Number of salinometer, -7049. Bot Surface
 Barometer reading, 30.24
 State of sky, Cloudy
 Direction of wind, S E ; force, 3
 Rain, Hazy
 Direction of surface current, ; force,
 " of bottom " ; force,
 Name of vessel, "Fish Hawk"
 Service to which attached, U S F C
 Name and rank of commanding officer, R Platt
 Lt Agr
 Name and position of observer, (McClureland)
 State Agrary

NOTES RELATING TO STATION NO. 1390

obtained a few live Perch
and a quantity of dead
Sp. fish & decomposed
mud

RECORD OF DREDGING.

TEMPERATURE AND DENSITY.

Station No.

Date,

Time of day, : of tide,

Locality,

Exact position,

Depth,

Nature of bottom,

Dredging instrument used,

Direction of drift, ; distance,

Temperature of air, therm. No.,

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, temp.,

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading.

State of sky,

Direction of wind, ; force,

Rain,

Direction of surface current, : force,

" of bottom " ; force,

Name of vessel,

Service to which attached,

Name and rank of commanding officer,

Name and position of observer,

NOTES RELATING TO STATION NO.

RECORD OF DREDGING.

TEMPERATURE AND DENSITY.

Station No.

Date,

Time of day, : of tide.

Locality,

Exact position,

Depth,

Nature of bottom,

Dredging instrument used,

Direction of drift, ; distance,

Temperature of air, therm. No.,

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, temp.,

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading.

State of sky.

Direction of wind, ; force,

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name of vessel,

Service to which attached,

Name and rank of commanding officer,

Name and position of observer,

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TEMPERATURE AND DENSITY.

Station No.

Date,

Time of day, : of tide.

Locality,

Exact position,

Depth,

Nature of bottom.

Dredging instrument used.

Direction of drift, ; distance.

Temperature of air, therm. No.,

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, temp.,

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading.

State of sky.

Direction of wind, ; force,

Rain.

Direction of surface current, ; force,

" of bottom " : force,

Name of vessel,

Service to which attached,

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Name and position of observer,

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Time of day, : of tide.

Locality,

Exact position,

Depth,

Nature of bottom,

Dredging instrument used,

Direction of drift, ; distance,

Temperature of air, therm. No.,

" of surface water, "

" at depth of fathoms. "

" at bottom, "

Density at surface, temp.,

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading.

State of sky.

Direction of wind, ; force,

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name of vessel,

Service to which attached,

Name and rank of commanding officer,

Name and position of observer,

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TEMPERATURE AND DENSITY.

Station No.

Date,

Time of day, : of tide.

Locality,

Exact position,

Depth,

Nature of bottom,

Dredging instrument used,

Direction of drift, ; distance.

Temperature of air, therm. No.,

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, temp.,

" at depth of fathoms, "

" at bottom, "

Number of salinometer.

Barometer reading.

State of sky,

Direction of wind, ; force,

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name of vessel,

Service to which attached,

Name and rank of commanding officer.

Name and position of observer,

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Time of day. : of tide.

Locality,

Exact position,

Depth,

Nature of bottom,

Dredging instrument used,

Direction of drift, ; distance.

Temperature of air, therm. No.,

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, temp.,

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading.

State of sky.

Direction of wind, ; force,

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name of vessel,

Service to which attached,

Name and rank of commanding officer,

Name and position of observer,

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Time of day. : of tide.

Locality,

Exact position,

Depth,

Nature of bottom,

Dredging instrument used,

Direction of drift, ; distance,

Temperature of air, therm. No.,

" of surface water, "

" at depth of fathoms. "

" at bottom, "

Density at surface, temp.,

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading.

State of sky.

Direction of wind, ; force,

Rain,

Direction of surface current, ; force,

" of bottom " : force,

Name of vessel,

Service to which attached,

Name and rank of commanding officer,

Name and position of observer,

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Date,

Time of day. : of tide.

Locality,

Exact position,

Depth,

Nature of bottom,

Dredging instrument used.

Direction of drift, ; distance.

Temperature of air, therm. No.,

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, temp.,

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading.

State of sky.

Direction of wind, ; force,

Rain.

Direction of surface current, ; force,

" of bottom " ; force,

Name of vessel,

Service to which attached,

Name and rank of commanding officer,

Name and position of observer,

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Time of day, : of tide.

Locality,

Exact position,

Depth,

Nature of bottom,

Dredging instrument used,

Direction of drift, ; distance,

Temperature of air, therm. No.,

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, temp.,

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading,

State of sky,

Direction of wind, ; force,

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name of vessel,

Service to which attached,

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Name and position of observer,

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Time of day, : of tide.

Locality,

Exact position,

Depth,

Nature of bottom,

Dredging instrument used,

Direction of drift, ; distance.

Temperature of air, therm. No.,

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, temp.,

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading.

State of sky,

Direction of wind, ; force,

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name of vessel,

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Locality,

Exact position,

Depth,

Nature of bottom,

Dredging instrument used,

Direction of drift, ; distance.

Temperature of air. therm. No.,

" of surface water, "

" at depth of fathoms. "

" at bottom, "

Density at surface, temp.,

" at depth of fathoms, "

" at bottom, "

Number of salinometer.

Barometer reading.

State of sky.

Direction of wind, ; force.

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name of vessel,

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Locality,

Exact position,

Depth,

Nature of bottom,

Dredging instrument used,

Direction of drift, ; distance.

Temperature of air, therm. No.,

" of surface water, "

" at depth of fathoms. "

" at bottom, "

Density at surface, temp.,

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading.

State of sky.

Direction of wind, ; force,

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name of vessel,

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Exact position,

Depth,

Nature of bottom,

Dredging instrument used,

Direction of drift, ; distance,

Temperature of air, therm. No.,

" of surface water, "

" at depth of fathoms. "

" at bottom, "

Density at surface, temp.,

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading.

State of sky.

Direction of wind, ; force,

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name of vessel,

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Exact position,

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Nature of bottom,

Dredging instrument used,

Direction of drift, ; distance,

Temperature of air, therm. No.,

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, temp.,

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading.

State of sky,

Direction of wind, ; force,

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name of vessel,

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Name and position of observer,

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Date,

Time of day, : of tide,

Locality,

Exact position,

Depth,

Nature of bottom,

Dredging instrument used,

Direction of drift, ; distance.

Temperature of air, therm. No.,

“ of surface water, “

“ at depth of fathoms, “

“ at bottom, “

Density at surface, temp.,

“ at depth of fathoms, “

“ at bottom, “

Number of salinometer,

Barometer reading.

State of sky.

Direction of wind, ; force,

Rain,

Direction of surface current, ; force,

“ of bottom “ ; force,

Name of vessel,

Service to which attached,

Name and rank of commanding officer,

Name and position of observer,

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Exact position,

Depth,

Nature of bottom,

Dredging instrument used,

Direction of drift, ; distance,

Temperature of air, therm. No.,

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, temp.,

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading.

State of sky,

Direction of wind, ; force,

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name of vessel,

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Name and position of observer,

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Exact position,

Depth,

Nature of bottom,

Dredging instrument used,

Direction of drift, ; distance,

Temperature of air, therm. No.,

" of surface water, "

" at depth of fathoms. "

" at bottom, "

Density at surface, temp.,

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading.

State of sky,

Direction of wind, ; force,

Rain,

Direction of surface current, ; force,

" of bottom " : force,

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Nature of bottom,

Dredging instrument used,

Direction of drift, ; distance,

Temperature of air, therm. No.,

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, temp.,

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading.

State of sky.

Direction of wind, ; force,

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name of vessel,

Service to which attached,

Name and rank of commanding officer,

Name and position of observer,

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Time of day, : of tide,

Locality,

Exact position,

Depth,

Nature of bottom,

Dredging instrument used,

Direction of drift, ; distance,

Temperature of air, therm. No.,

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, temp.,

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading,

State of sky.

Direction of wind, ; force,

Rain,

Direction of surface current, ; force,

" of bottom " : force,

Name of vessel,

Service to which attached,

Name and rank of commanding officer,

Name and position of observer,

NOTES RELATING TO STATION NO.

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Date,

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Locality,

Exact position,

Depth,

Nature of bottom,

Dredging instrument used,

Direction of drift, ; distance,

Temperature of air, therm. No.,

" of surface water, "

" at depth of fathoms. "

" at bottom, "

Density at surface, temp.,

" at depth of fathoms, "

" at bottom. "

Number of salinometer,

Barometer reading.

State of sky.

Direction of wind, ; force,

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name of vessel,

Service to which attached,

Name and rank of commanding officer,

Name and position of observer,

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TEMPERATURE AND DENSITY.

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Date,

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Locality,

Exact position,

Depth,

Nature of bottom,

Dredging instrument used,

Direction of drift, ; distance,

Temperature of air. therm. No.,

" of surface water, "

" at depth of fathoms. "

" at bottom, "

Density at surface, temp.,

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading.

State of sky.

Direction of wind, ; force,

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name of vessel,

Service to which attached,

Name and rank of commanding officer,

Name and position of observer,

NOTES RELATING TO STATION NO.

RECORD OF DREDGING,

TEMPERATURE AND DENSITY.

Station No.

Date,

Time of day. : of tide,

Locality,

Exact position,

Depth,

Nature of bottom,

Dredging instrument used,

Direction of drift, ; distance.

Temperature of air, therm. No.,

" of surface water, "

" at depth of fathoms. "

" at bottom, "

Density at surface. temp.,

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading.

State of sky,

Direction of wind, ; force,

Rain,

Direction of surface current, ; force,

" of bottom " : force,

Name of vessel,

Service to which attached,

Name and rank of commanding officer,

Name and position of observer,

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Station No.

Date,

Time of day, : of tide,

Locality,

Exact position,

Depth,

Nature of bottom,

Dredging instrument used,

Direction of drift, ; distance,

Temperature of air, therm. No.,

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, temp.,

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading,

State of sky,

Direction of wind, ; force,

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name of vessel,

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Locality,

Exact position,

Depth,

Nature of bottom,

Dredging instrument used,

Direction of drift, ; distance,

Temperature of air, therm. No.,

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, temp.,

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading.

State of sky.

Direction of wind, ; force,

Rain,

Direction of surface current, : force,

" of bottom " : force,

Name of vessel,

Service to which attached,

Name and rank of commanding officer.

Name and position of observer,

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RECORD OF DREDGING.

TEMPERATURE AND DENSITY.

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Time of day. : of tide,

Locality,

Exact position,

Depth,

Nature of bottom,

Dredging instrument used,

Direction of drift, ; distance,

Temperature of air. therm. No.,

" of surface water, "

" at depth of fathoms. "

" at bottom, "

Density at surface, temp.,

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